

Candidate Name \_\_\_\_\_

Centre Number

Candidate  
Number

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**International General Certificate of Secondary Education**  
**UNIVERSITY OF CAMBRIDGE LOCAL EXAMINATIONS SYNDICATE**  
**PHYSICS**  
PAPER 5 Practical Test  
ANSWER BOOKLET

**0625/5**

Monday      **20 NOVEMBER 2000**      Morning      1 hour 15 minutes

**TIME**    1 hour 15 minutes

**INSTRUCTIONS TO CANDIDATES**

Write your name, Centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

Write your answers in the spaces provided in the answer booklet.

**FOR EXAMINER'S USE**

<b>1</b>	
<b>2</b>	
<b>3</b>	
<b>4</b>	
<b>TOTAL</b>	

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**This answer booklet consists of 8 printed pages.**

1 (a)–(c)

time/s	temperature / °C
0	
30	
60	
90	
120	
150	
180	
210	
240	
270	
300	

[5]

(d) Conclusion

.....

.....

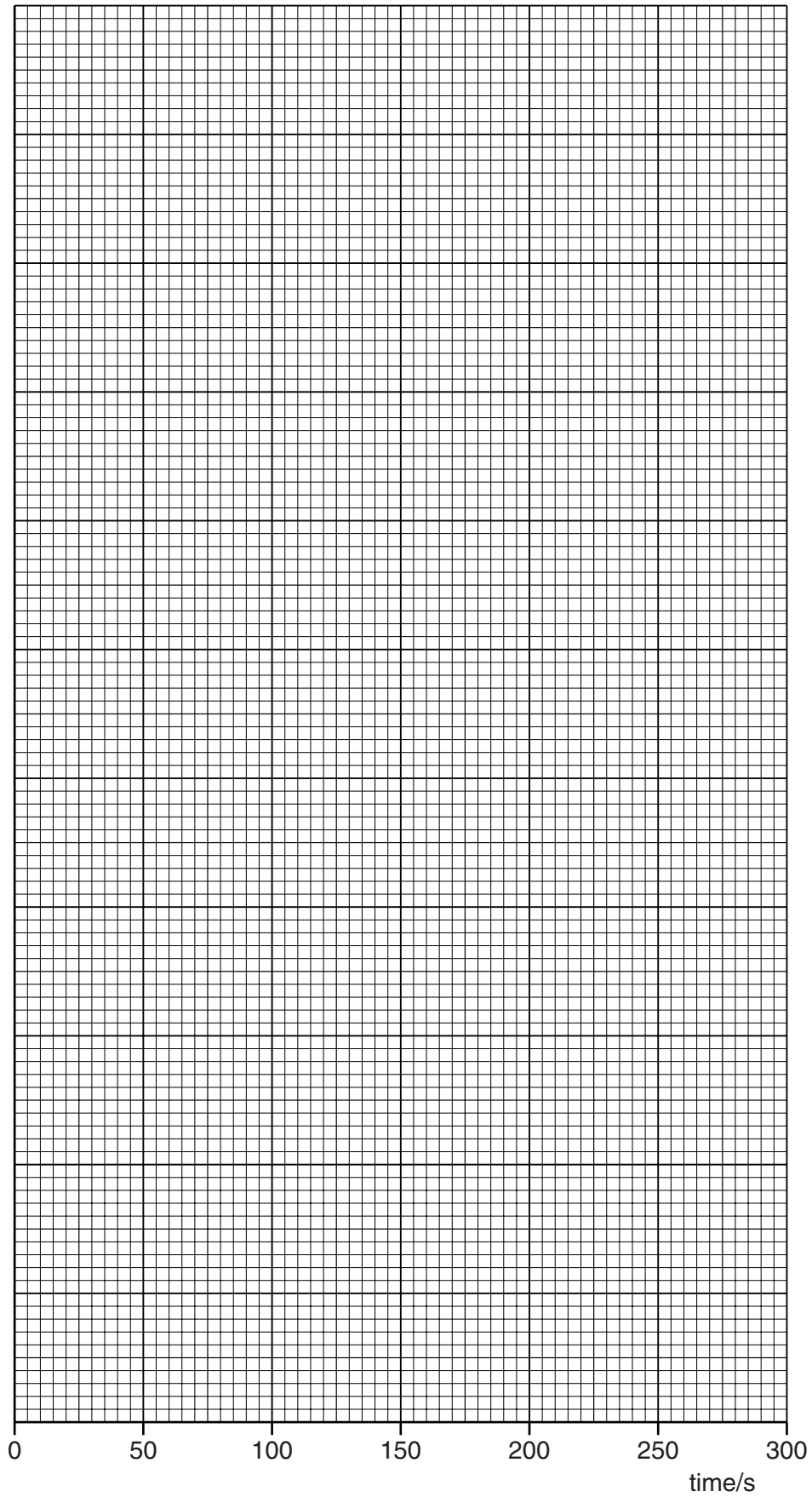
Justification for this conclusion

.....

.....

.....

[2]



[8]

2 (a) Records of  $x$  and  $y$ .

$x =$  .....

$y =$  .....

[3]

(b) Calculation of  $m$ , using the equation  $m = Rx/y$  where  $R = 50$  g

$m =$  .....

[3]

(c) Record of  $d$  .....

[1]

(d) Records of  $x$  and  $z$

$x =$  .....

$z =$  .....

[2]

(e) Calculation of  $t$ , using the equation  $t = (y - z)$

$t =$  .....

[3]

- (f) Diagram showing object in most stable position

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flat horizontal surface

[1]

- (g) Diagram showing object in least stable position

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flat horizontal surface

[2]

3 (b)–(e)

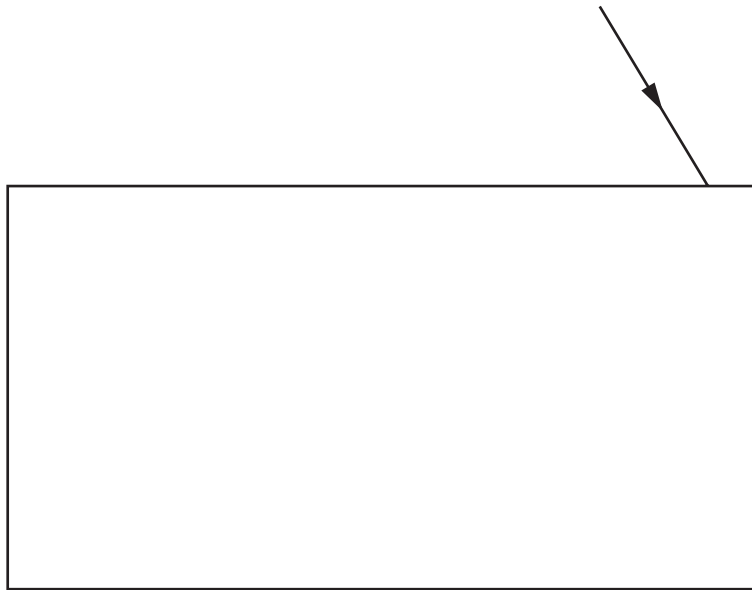
description	$x/\text{cm}$
<b>V to B</b>	
<b>W to B</b>	
<b>X to B</b>	
<b>Y to B</b>	
<b>Z to B</b>	

[2]

(f) Estimate of  $x_o$  .....

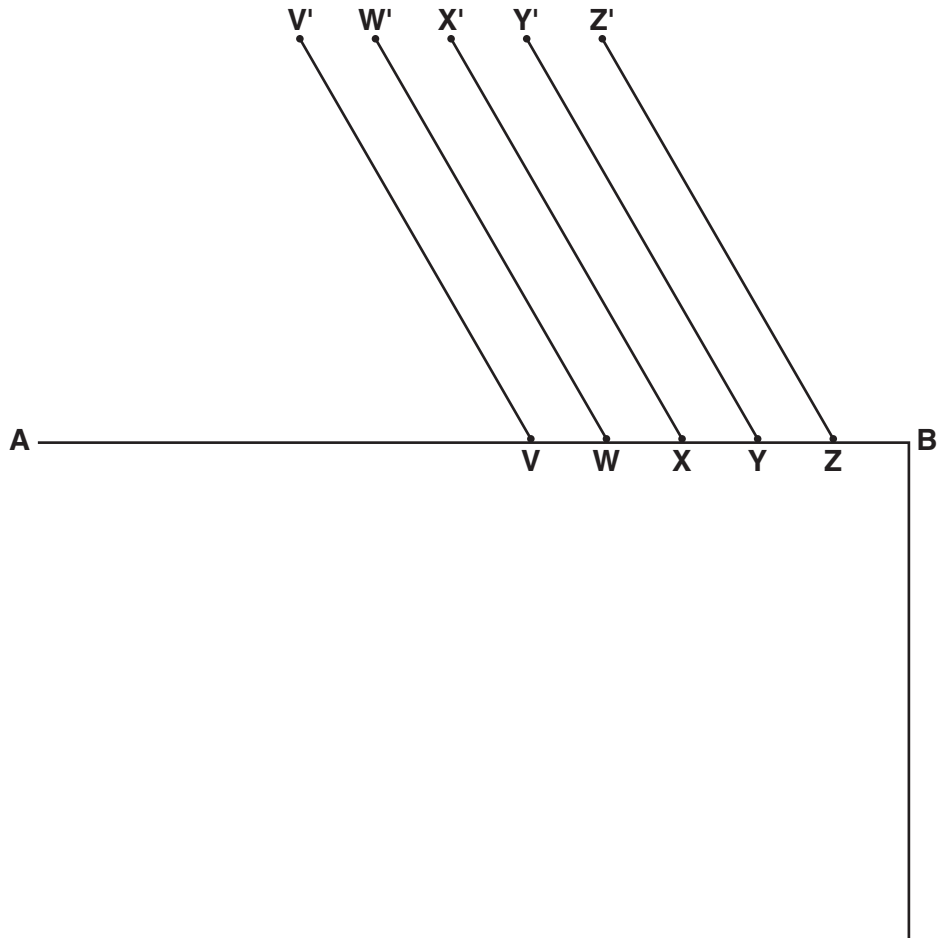
[2]

(g)



[3]

## Ray Trace Sheet for Question 3



[8]

4 (a) Record of  $V_1$

..... [2]

(b) Record of  $V_2$

..... [2]

(c) Calculation of  $V_1/V_2$

$V_1/V_2 =$  ..... [3]

(d) Conclusion

.....  
..... [1]

Explanation

.....  
.....  
..... [2]

(e) Circuit diagram

[5]